EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	190	("20040081260" "20040028007" "5007068" "6111910" "5497400" "5909470" "6067315" "20060109931" "5311523" "5757821" "5768307" "5867538" "4768208" "5774508" "20050243943" "20030012310" "20040224657" "5727083" "5313493" "20050111596" "6236685" "5247470" "5796788" "5307138" "5297161" "5544167" "5588026" "5703908" "6006082" "6072785" "6249518" "6463295" "6687507" "20020004400" "20040097207" "20050111590" "20060233153" "6178209" "20040184514" "20060182066" "6205187" "20060232416" "5712877" "5802117" "5912931" "6122269" "6400928" "7027530" "20050175122" "20060268676" "4346380" "4564946" "5570379" "5649288" "5710993" "5893030" "5537443" "5442661" "5546430" "5299236" "5345601" "5369800" "5920554" "6222834" "6222834" "6947499" "20020012407" "20020114379" "20050272396" "20060172716" "20060268973" "5887028" "6085104" "6965654" "6996156" "7130587" "20020018528" "20020141485" "20030043927" "20050075103" "4935837" "4856027" "4485487" "4546322" "4926245" "4947407" "5272531" "5347542" "5412687" "5440267" "5517530" "5790784" "5907585" "5910752" "5914959" "5995483" "6037835" "6061406" "6061406" "6134283").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 09:01
L9	0	("2002/0141485").URPN.	USPAT	OR	ON	2006/12/05 09:18
L10	5	("20020004400" | "5289476" | "5347542" | "5377256" | "5479482").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/05 09:35
L11	11	("6400928").URPN.	USPAT	OR	ON	2006/12/05 10:56
L12	42	demodulat$4 near3 priorit$5	USPAT	OR	ON	2006/12/05 10:57
L13	5777	(order$4 classifi$7 priorit$5) near5 demodulat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 10:58

EAST Search History

L14	0	adaptiv$4 near3 demodulat45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 10:59
L15	1106	adaptiv$4 near3 demodulat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 10:59
L16	46	15 same 13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 11:06
L17	2547	demodulat$4 near2 (scheme parameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 11:07
L18	82	13 same 17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 11:07
L19	81	18 not 16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 11:07
L20	0	("2006/0115014").URPN.	USPAT	OR	ON	2006/12/05 11:08
L21	0	("2004/0081260").URPN.	USPAT	OR	ON	2006/12/05 11:49
L22	458	priorit$4 same demodulat$4	USPAT	OR	ON	2006/12/05 11:50
L23	4	17 same 22	USPAT	OR	ON	2006/12/05 11:50
L24	46	17 and 22	USPAT	OR	ON	2006/12/05 11:50
L25	44	24 not 19	USPAT	OR	ON	2006/12/05 11:56
L26	23	estimat$4 near5 ((higher or lower) near3 demodulat$4)	USPAT	OR	ON	2006/12/05 12:01
L27	2698	375/224.ccls. 375/340.ccls. 375/316.ccls.	USPAT	OR	ON	2006/12/05 12:04
L28	2073	370/252.ccls. 370/241.ccls.	USPAT	OR	ON	2006/12/05 12:05
L29	4690	27 28	USPAT	OR	ON	2006/12/05 12:05
L30	27	22 and 29	USPAT	OR	ON	2006/12/05 12:07
L31	196	29 and 13 not 30	USPAT	OR	ON	2006/12/05 12:07
L32	13	15 and 31	USPAT	OR	ON	2006/12/05 12:07
S1	569	priori$6 near4 modulat$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 18:54

EAST Search History

S2	0	adaptive adj2 modulat45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 10:58
S3	2704	adaptive adj2 modulat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 18:55
S4	0	S1 same S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 18:55
S5	10	S1 same S3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 18:57
S6	45	S3 same priorit$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 19:13
S7	481	priorit$5 near5 modulat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 19:20
S8	3328	estimat$4 near4 modulat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 19:16
S9	6	S7 same S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 19:16
S10	31032	(order$4 classifi$7 priorit$5) near5 modulat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 10:57
S11	122	(S8 same S10) not S9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 19:25
S12	18	S11.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/04 19:22
S13	0	("2005/0143011").URPN.	USPAT	OR	ON	2006/12/04 19:24
S14	46	S11 not S12	USPAT	OR	ON	2006/12/04 19:24

S15	104	S11 not S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/05 09:00

Titles of most frequently occurring classifications of patents returned
    from a search of 10644845 on Dec 05 , 2006

 10 375/340   (4 OR, 6 XR)
          Class 375   PULSE OR DIGITAL COMMUNICATIONS
          375/316   .RECEIVERS
          375/340   ..Particular pulse demodulator or detector

  9 375/341   (7 OR, 2 XR)
          Class 375   PULSE OR DIGITAL COMMUNICATIONS
          375/316   .RECEIVERS
          375/340   ..Particular pulse demodulator or detector
          375/341   ...Maximum likelihood decoder or viterbi decoder

  7 375/344   (2 OR, 5 XR)
          Class 375   PULSE OR DIGITAL COMMUNICATIONS
          375/316   .RECEIVERS
          375/344   ..Automatic frequency control

  6 375/324   (3 OR, 3 XR)
          Class 375   PULSE OR DIGITAL COMMUNICATIONS
          375/316   .RECEIVERS
          375/322   ..Angle modulation
          375/324   ...Particular demodulator

  6 370/342   (3 OR, 3 XR)
          Class 370   MULTIPLEX COMMUNICATIONS
          370/310   .COMMUNICATION OVER FREE SPACE
          370/342   ..Combining or distributing information via code word
channels using multiple access techniques (e.g., CDMA)

  5 375/346   (1 OR, 4 XR)
          Class 375   PULSE OR DIGITAL COMMUNICATIONS
          375/316   .RECEIVERS
          375/346   ..Interference or noise reduction

  5 375/327   (3 OR, 2 XR)
          Class 375   PULSE OR DIGITAL COMMUNICATIONS
          375/316   .RECEIVERS
          375/322   ..Angle modulation
          375/324   ...Particular demodulator
          375/327   ....Phase locked loop

  5 370/335   (2 OR, 3 XR)
          Class 370   MULTIPLEX COMMUNICATIONS
          370/310   .COMMUNICATION OVER FREE SPACE
          370/328   ..Having a plurality of contiguous regions served by
respective fixed stations
          370/329   ...Channel assignment
          370/335   ....Combining or distributing information via code word
channels using multiple access techniques (e.g., CDMA)

  5 375/349   (0 OR, 5 XR)
          Class 375   PULSE OR DIGITAL COMMUNICATIONS
          375/316   .RECEIVERS
          375/346   ..Interference or noise reduction
          375/349   ...Plural signal paths in receiver

  5 329/304   (0 OR, 5 XR)
          Class 329   DEMODULATORS
          329/304   .PHASE SHIFT KEYING OR QUADRATURE AMPLITUDE DEMODULATOR

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5  375/260       (4 OR, 1 XR)
       Class 375     PULSE OR DIGITAL COMMUNICATIONS
       375/259       .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
       375/260       ..Plural channels for transmission of a single pulse train

4  370/320       (2 OR, 2 XR)
       Class 370     MULTIPLEX COMMUNICATIONS
       370/310       .COMMUNICATION OVER FREE SPACE
       370/315       ..Repeater
       370/316       ...Airborne or space satellite repeater
       370/319       ....Multiple access (e.g., FDMA)
       370/320       .....Code division (CDMA)

4  375/283       (1 OR, 3 XR)
       Class 375     PULSE OR DIGITAL COMMUNICATIONS
       375/259       .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
       375/271       ..Angle modulation
       375/279       ...Phase shift keying
       375/283       ....Differential phase shift keying (diphase)

4  375/347       (0 OR, 4 XR)
       Class 375     PULSE OR DIGITAL COMMUNICATIONS
       375/316       .RECEIVERS
       375/346       ..Interference or noise reduction
       375/347       ...Diversity (frequency or time)

4  714/794       (1 OR, 3 XR)
       Class 714     ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
       714/699       .PULSE OR DATA ERROR HANDLING
       714/746       ..Digital data error correction
       714/786       ...Forward error correction by tree code (e.g.,
convolutional)
       714/794       ....Maximum likelihood

4  375/330       (1 OR, 3 XR)
       Class 375     PULSE OR DIGITAL COMMUNICATIONS
       375/316       .RECEIVERS
       375/322       ..Angle modulation
       375/329       ...Phase shift keying
       375/330       ....Differential (diphase)

3  375/348       (0 OR, 3 XR)
       Class 375     PULSE OR DIGITAL COMMUNICATIONS
       375/316       .RECEIVERS
       375/346       ..Interference or noise reduction
       375/348       ...Intersymbol interference

3  375/150       (1 OR, 2 XR)
       Class 375     PULSE OR DIGITAL COMMUNICATIONS
       375/130       .SPREAD SPECTRUM
       375/140       ..Direct sequence
       375/147       ...Receiver
       375/150       ....Correlation-type receiver

3  375/343       (0 OR, 3 XR)
       Class 375     PULSE OR DIGITAL COMMUNICATIONS
       375/316       .RECEIVERS
       375/340       ..Particular pulse demodulator or detector
       375/343       ...Correlative or matched filter

3  375/376       (0 OR, 3 XR)
       Class 375     PULSE OR DIGITAL COMMUNICATIONS
       375/354       .SYNCHRONIZERS
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         375/371        ..Phase displacement, slip or jitter correction
         375/373        ...Phase locking
         375/376        ....Phase locked loop

  3  714/796      (0 OR, 3 XR)
         Class 714      ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
         714/699        .PULSE OR DATA ERROR HANDLING
         714/746        ..Digital data error correction
         714/786        ...Forward error correction by tree code (e.g.,
convolutional)
         714/796        ....Branch metric calculation

  3  455/522      (1 OR, 2 XR)
         Class 455      TELECOMMUNICATIONS
         455/39         .TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
         455/500        ..Plural transmitters or receivers (i.e., more than two
stations)
         455/507        ...Central station (e.g., master, etc.)
         455/517        ....To or from mobile station
         455/522        .....Transmission power control technique

  3  455/69       (0 OR, 3 XR)
         Class 455      TELECOMMUNICATIONS
         455/39         .TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
         455/68         ..With control signal
         455/69         ...Transmitter controlled by signal feedback from receiver

  3  375/329      (1 OR, 2 XR)
         Class 375      PULSE OR DIGITAL COMMUNICATIONS
         375/316        .RECEIVERS
         375/322        ..Angle modulation
         375/329        ...Phase shift keying

  3  375/279      (0 OR, 3 XR)
         Class 375      PULSE OR DIGITAL COMMUNICATIONS
         375/259        .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
         375/271        ..Angle modulation
         375/279        ...Phase shift keying

  3  375/325      (1 OR, 2 XR)
         Class 375      PULSE OR DIGITAL COMMUNICATIONS
         375/316        .RECEIVERS
         375/322        ..Angle modulation
         375/324        ...Particular demodulator
         375/325        ....Including coherent detector

  3  455/337      (1 OR, 2 XR)
         Class 455      TELECOMMUNICATIONS
         455/130        .RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
         455/334        ..With particular receiver circuit
         455/337        ...Discriminator or demodulator

  3  375/308      (0 OR, 3 XR)
         Class 375      PULSE OR DIGITAL COMMUNICATIONS
         375/295        .TRANSMITTERS
         375/302        ..Angle modulation
         375/308        ...Phase shift keying

  3  370/350      (1 OR, 2 XR)
         Class 370      MULTIPLEX COMMUNICATIONS
         370/310        .COMMUNICATION OVER FREE SPACE
         370/345        ..Combining or distributing information via time channels
         370/350        ...Synchronization
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3   455/67.11      (2 OR, 1 XR)
        Class 455       TELECOMMUNICATIONS
        455/39          .TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
        455/67.11       ..Having measuring, testing, or monitoring of system or part

3   375/149        (0 OR, 3 XR)
        Class 375       PULSE OR DIGITAL COMMUNICATIONS
        375/130         .SPREAD SPECTRUM
        375/140         ..Direct sequence
        375/147         ...Receiver
        375/149         ....Having specific code synchronization

3   329/308        (2 OR, 1 XR)
        Class 329       DEMODULATORS
        329/304         .PHASE SHIFT KEYING OR QUADRATURE AMPLITUDE DEMODULATOR
        329/306         ..Input signal combined with local oscillator or carrier
frequency signal
        329/307         ...Including phase or frequency locked loop
        329/308         ....With parallel signal combiners (e.g., Costas loop)

2   375/280        (1 OR, 1 XR)
        Class 375       PULSE OR DIGITAL COMMUNICATIONS
        375/259         .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
        375/271         ..Angle modulation
        375/279         ...Phase shift keying
        375/280         ....More than two phases

2   375/142        (1 OR, 1 XR)
        Class 375       PULSE OR DIGITAL COMMUNICATIONS
        375/130         .SPREAD SPECTRUM
        375/140         ..Direct sequence
        375/141         ...End-to-end transmission system
        375/142         ....Having correlation-type receiver

2   375/326        (0 OR, 2 XR)
        Class 375       PULSE OR DIGITAL COMMUNICATIONS
        375/316         .RECEIVERS
        375/322         ..Angle modulation
        375/324         ...Particular demodulator
        375/326         ....Carrier recovery circuit or carrier tracking

2   455/334        (0 OR, 2 XR)
        Class 455       TELECOMMUNICATIONS
        455/130         .RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
        455/334         ..With particular receiver circuit

2   370/252        (1 OR, 1 XR)
        Class 370       MULTIPLEX COMMUNICATIONS
        370/241         .DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION)
        370/252         ..Determination of communication parameters

2   714/795        (0 OR, 2 XR)
        Class 714       ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
        714/699         .PULSE OR DATA ERROR HANDLING
        714/746         ..Digital data error correction
        714/786         ...Forward error correction by tree code (e.g.,
convolutional)
        714/795         ....Viterbi decoding

2   375/355        (1 OR, 1 XR)
        Class 375       PULSE OR DIGITAL COMMUNICATIONS
        375/354         .SYNCHRONIZERS
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           375/355          ..Synchronizing the sampling time of digital data

  2  375/316          (0 OR, 2 XR)
           Class 375        PULSE OR DIGITAL COMMUNICATIONS
           375/316          .RECEIVERS

  2  375/265          (1 OR, 1 XR)
           Class 375        PULSE OR DIGITAL COMMUNICATIONS
           375/259          .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
           375/260          ..Plural channels for transmission of a single pulse train
           375/261          ...Quadrature amplitude modulation
           375/265          ....Trellis encoder or Trellis decoder

  2  375/224          (1 OR, 1 XR)
           Class 375        PULSE OR DIGITAL COMMUNICATIONS
           375/224          .TESTING

  2  375/284          (1 OR, 1 XR)
           Class 375        PULSE OR DIGITAL COMMUNICATIONS
           375/259          .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
           375/271          ..Angle modulation
           375/279          ...Phase shift keying
           375/284          ....Antinoise or distortion

  2  370/526          (0 OR, 2 XR)
           Class 370        MULTIPLEX COMMUNICATIONS
           370/464          .COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL
CHANNELS
           370/498          ..Combining or distributing information via time channels
           370/522          ...Signaling (ancillary to main information)
           370/526          ....Digital tone detection

  2  370/201          (0 OR, 2 XR)
           Class 370        MULTIPLEX COMMUNICATIONS
           370/201          .CROSSTALK SUPPRESSION

  2  342/450          (0 OR, 2 XR)
           Class 342        COMMUNICATIONS:  DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
(E.G., RADAR, RADIO NAVIGATION)
           342/350          .DIRECTIVE
           342/450          ..Position indicating (e.g., triangulation)

  2  455/425          (0 OR, 2 XR)
           Class 455        TELECOMMUNICATIONS
           455/403          .RADIOTELEPHONE SYSTEM
           455/422.1        ..Zoned or cellular telephone system
           455/423          ...Diagnostic testing, malfunction indication, or electrical
condition measurement
           455/425          ....Subscriber equipment

  2  455/205          (1 OR, 1 XR)
           Class 455        TELECOMMUNICATIONS
           455/130          .RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
           455/205          ..Frequency or phase modulation

  2  375/148          (1 OR, 1 XR)
           Class 375        PULSE OR DIGITAL COMMUNICATIONS
           375/130          .SPREAD SPECTRUM
           375/140          ..Direct sequence
           375/147          ...Receiver
           375/148          ....Multi-receiver or interference cancellation

  2  375/262          (0 OR, 2 XR)
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        Class 375     PULSE OR DIGITAL COMMUNICATIONS
        375/259       .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
        375/260       ..Plural channels for transmission of a single pulse train
        375/261       ...Quadrature amplitude modulation
        375/262       ....Maximum likelihood decoder or viterbi decoder

  2  375/242        (0 OR, 2 XR)
        Class 375     PULSE OR DIGITAL COMMUNICATIONS
        375/242       .PULSE CODE MODULATION

  2  455/209        (0 OR, 2 XR)
        Class 455     TELECOMMUNICATIONS
        455/130       .RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
        455/205       ..Frequency or phase modulation
        455/208       ...With synchronized or controlled local oscillator
        455/209       ....Plural local oscillators or mixers

  2  375/233        (1 OR, 1 XR)
        Class 375     PULSE OR DIGITAL COMMUNICATIONS
        375/229       .EQUALIZERS
        375/230       ..Automatic
        375/232       ...Adaptive
        375/233       ....Decision feedback equalizer

  2  455/59         (2 OR, 0 XR)
        Class 455     TELECOMMUNICATIONS
        455/39        .TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
        455/59        ..Single message via plural carrier wave transmission

  2  455/315        (0 OR, 2 XR)
        Class 455     TELECOMMUNICATIONS
        455/130       .RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
        455/313       ..Frequency modifying or conversion
        455/314       ...Plural separate successive conversions
        455/315       ....With plural separate local oscillators

  2  375/147        (2 OR, 0 XR)
        Class 375     PULSE OR DIGITAL COMMUNICATIONS
        375/130       .SPREAD SPECTRUM
        375/140       ..Direct sequence
        375/147       ...Receiver

  2  375/261        (0 OR, 2 XR)
        Class 375     PULSE OR DIGITAL COMMUNICATIONS
        375/259       .SYSTEMS USING ALTERNATING OR PULSATING CURRENT
        375/260       ..Plural channels for transmission of a single pulse train
        375/261       ...Quadrature amplitude modulation

  2  370/503        (0 OR, 2 XR)
        Class 370     MULTIPLEX COMMUNICATIONS
        370/464       .COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL
CHANNELS
        370/498       ..Combining or distributing information via time channels
        370/503       ...Synchronizing

  2  455/214        (0 OR, 2 XR)
        Class 455     TELECOMMUNICATIONS
        455/130       .RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
        455/205       ..Frequency or phase modulation
        455/214       ...With particular discriminator or detector
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